

PARIA RIVER BASIN

09381500 PARIA RIVER NEAR CANNONVILLE, UT

LOCATION.--Lat 37°28'52", long 112°01'15", in NE¼SE¼SE¼ sec. 20, T. 38 S., R. 2 W., Garfield County, Hydrologic Unit 14070007, Grand Staircase Escalante National Monument, on left bank about 0.5 mi downstream of Little Dry Valley and about 6.5 mi south of Cannonville.

DRAINAGE AREA.--198 mi².

PERIOD OF RECORD.--December 1950 to September 1955. Annual maximums, water years 1959-74. December 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,480 ft above NGVD of 1929, from topographic map

REMARKS.--Records fair except estimated days, which are poor. Several diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft³/s, Aug 31, 1963, gage height, 19.25 ft; minimum daily discharge, no flow on many days in each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,710 ft³/s, Aug 23, gage height, 11.70 ft; no flow on several days in Jul.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	4.8	12	e6.0	3.4	16	5.7	0.77	0.58	0.12	1.8	0.11
2	40	8.0	8.9	e6.0	4.4	17	6.8	0.61	0.42	0.12	5.6	0.18
3	38	5.9	8.7	e7.0	3.2	20	7.5	0.60	0.40	0.13	0.88	0.13
4	12	5.8	8.1	e5.0	3.5	15	7.5	0.94	0.35	0.11	0.39	0.07
5	6.2	5.9	9.2	e5.5	3.5	11	8.9	0.88	0.33	0.07	0.16	0.02
6	e4.5	6.2	13	e6.0	e3.3	15	8.3	0.75	0.35	0.07	0.04	62
7	e3.2	6.1	8.8	e5.5	e3.2	18	7.9	0.72	0.33	0.06	0.10	22
8	e2.4	6.6	9.4	e6.0	e3.5	19	4.7	1.2	0.42	0.04	0.23	2.2
9	e1.9	9.4	8.0	e5.5	3.9	19	5.7	2.5	0.56	0.03	7.2	0.53
10	1.5	8.4	12	7.5	4.1	18	5.0	2.8	0.37	0.00	3.7	0.41
11	1.4	8.7	12	5.3	4.3	22	4.3	2.1	0.37	0.00	1.3	0.32
12	0.50	9.0	9.7	3.7	6.7	21	4.3	1.9	0.35	0.00	0.30	0.29
13	0.32	7.5	12	3.5	31	21	4.3	0.68	e0.32	0.00	0.03	0.17
14	0.84	7.2	10	3.5	24	21	4.3	0.76	0.29	0.00	0.01	0.14
15	0.82	7.0	9.3	3.3	16	18	6.2	18	0.27	0.00	e0.13	0.17
16	0.90	7.0	10	3.0	12	26	6.3	1.6	0.25	0.00	e0.13	0.13
17	1.3	4.7	11	3.0	13	30	6.0	3.2	0.26	0.00	e0.07	0.08
18	1.1	4.3	9.4	3.1	11	16	8.1	6.5	0.30	0.00	e0.22	0.06
19	0.90	6.3	7.0	4.3	9.1	11	9.1	5.1	0.28	0.00	e0.50	0.13
20	0.97	3.8	12	3.0	8.9	12	5.2	4.0	0.26	0.00	1.1	0.09
21	1.1	3.5	e6.5	3.8	8.0	11	3.1	0.66	0.27	0.00	4.9	0.06
22	22	3.6	e7.0	2.7	7.3	10	11	0.62	0.27	0.01	1.4	0.08
23	13	3.6	e8.0	3.4	6.9	11	12	0.62	0.26	0.00	476	0.07
24	8.9	3.5	e7.8	2.9	7.2	12	9.8	0.57	0.31	1.7	226	0.07
25	8.1	3.3	e7.0	2.8	16	11	7.1	0.51	0.33	0.73	21	0.08
26	7.6	7.7	e7.0	2.9	23	9.4	2.5	0.48	0.27	0.22	1.4	0.02
27	33	7.1	e5.5	2.9	16	10	1.1	0.46	0.24	0.00	1.7	0.02
28	7.6	7.2	e4.0	3.1	14	9.2	1.7	0.44	0.17	e200	0.19	0.03
29	6.5	8.1	e5.0	3.2	---	9.0	1.0	0.42	0.17	e30	0.05	0.04
30	4.7	18	e5.5	3.2	---	7.5	0.89	0.46	0.13	e10	0.81	0.05
31	4.4	---	e6.0	3.1	---	7.1	---	3.8	---	e6.8	0.06	---
TOTAL	244.85	198.2	269.8	129.7	270.4	473.2	176.29	64.65	9.48	250.21	757.40	89.75
MEAN	7.90	6.61	8.70	4.18	9.66	15.3	5.88	2.09	0.32	8.07	24.4	2.99
MAX	40	18	13	7.5	31	30	12	18	0.58	200	476	62
MIN	0.32	3.3	4.0	2.7	3.2	7.1	0.89	0.42	0.13	0.00	0.01	0.02
AC-FT	486	393	535	257	536	939	350	128	19	496	1,500	178

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-1955, 2003, BY WATER YEAR (WY)

MEAN	6.45	7.77	9.55	7.48	10.7	14.8	6.29	1.96	0.70	9.27	18.6	5.85
MAX	13.8	9.89	18.0	13.2	17.9	29.3	21.1	4.80	3.73	38.9	46.4	14.8
(WY)	(1955)	(1954)	(1953)	(1953)	(1952)	(1952)	(1952)	(1951)	(1952)	(1953)	(1955)	(1954)
MIN	2.75	5.36	5.09	3.50	4.57	6.18	1.69	0.20	0.010	0.47	0.000	0.057
(WY)	(1952)	(1955)	(1955)	(1955)	(1955)	(2002)	(2002)	(1955)	(1955)	(2002)	(2002)	(1955)

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1951-1955, 2003

ANNUAL TOTAL	1,758.12		2,933.93		9.36	
ANNUAL MEAN	4.82		8.04		12.0	
HIGHEST ANNUAL MEAN					1953	
LOWEST ANNUAL MEAN					6.71	
HIGHEST DAILY MEAN	196	Sep 7	476	Aug 23	566	Aug 16, 1955
LOWEST DAILY MEAN	0.00	Jun 16	0.00	Jul 10	0.00	Jul 4, 1951
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 16	0.00	Jul 10	0.00	Jul 4, 1951
ANNUAL RUNOFF (AC-FT)	3,490		5,820		6,780	
10 PERCENT EXCEEDS	9.4		14		18	
50 PERCENT EXCEEDS	2.1		3.5		4.8	
90 PERCENT EXCEEDS	0.00		0.07		0.00	

e Estimated